



PTO/SB/08a (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/P

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

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| Application Number | 10/550,479 |
| Filing Date | Sep. 23, 2005 |
| First Named Inventor | Jun KANEGA |
| Art Unit | 1713 |
| Examiner Name | Henry S. Hu |
| Attorney Docket Number | 1217-052603 |

Sheet 1 of 1

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| h/h | | US- 6,503,988 B1 | 01-07-2003 | Kitahara et al. | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| h/h | | WO 97/17382 A1 | 05-15-1997 | Daikin Ind. Ltd. | Equivalent to US '988 | |
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| Examiner Signature | | Date Considered | 8-26-07 |
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PTO/SB/08a (07-05)

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/550,479 |
| | | | | Filing Date | Sep. 23, 2005 |
| | | | | First Named Inventor | Jun KANEGA |
| | | | | Art Unit | 1616-1713 |
| Examiner Name | H. Hu | | | | |
| Sheet | 1 | of | 2 | Attorney Docket Number | 1217-052603 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
| HJ | | US- 5,861,464 B1 | 01-19-1999 | Goldmann et al. | |
| | | US- 6,172,162 B1 | 01-09-2001 | Mouri | |
| | | US- 6,703,461 B1 | 03-09-2004 | Tanaka et al. | |
| | | US- 2005/0107535A1 | 05-19-2005 | Funaki et al. | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------------|---------------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ | Number ⁴ Kind Code ⁵ (if known) | | | | |
| HJ | | WO | 99/50319 A1 | 10-07-1999 | Daikin Ind. Ltd. | Equivalent US 6,703,461 | |
| | | WO | 99/65954 A1 | 12-23-1999 | Asahi Glass Co. Ltd. | Equiv. US 2005/0107535 | |
| | | WO | 97/08239 A1 | 03-06-1997 | Morisei Kako Co Ltd | Equiv. US 6,172,162 | |
| | | WO | 95/02634 A1 | 01-26-1995 | E.I. DuPont | Equiv. of JP9-500163 | |
| | | JP(1997) | 9-183812 A | 07-15-1997 | Dyneon GmbH | Equiv. US 5,861,464 | |
| | | JP(1993) | 5-287151 A | 11-02-1993 | Asahi Glass Co. Ltd. | English Abstract attached | |
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| Examiner Signature | | Date Considered | 5-24-07 |
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| | | | | Art Unit | 1610 1713 |
| | | | | Examiner Name | Chih |
| | | | | Attorney Docket Number | 1217-052603 |
| Sheet | 2 | of | 2 | | |

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|-----------------------|--------------------|--------------------|---------|
| Examiner Signature | <i>[Signature]</i> | Date Considered | 5-24-01 |
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